

ATTACHMENT 1

	FISH CONTAMINANT LEVEL								
	Generic Example 1ppm			Portland Harbor Bass (whole body) 0.25 to 4.5 ppm (by river mile)			Portland Harbor Carp (whole body) 5.9 ppm (site wide (95%UCL mean))		
	Superfund process		Compared to bkgrd in breast milk ²	Superfund process		Compared to bkgrd in breast milk ²	Superfund process		Compared to bkgrd in breast milk ²
	Cancer Risk	HQ		Cancer Risk	HQ		Cancer Risk	HQ	
Breast-feeding Child (mother consumes 142 g/day)	2×10^{-3}	2100 ⁽¹⁾	75 times bkgrd	5×10^{-4} to 9×10^{-3}	525 to 9,450 ⁽¹⁾	19 to 338 times bkgrd	1×10^{-2}	12,000 ⁽¹⁾	443 times bkgrd
Breast-feeding Child (mother consumes 17.5 g/day)	2×10^{-4}	259							
Adult Fish Consumer (consumption of 142 g/day)		110		4×10^{-4} to 8×10^{-3}	30 to 500		1×10^{-2}	656	
Child Fish Consumer (consumption of 60 g/day)				2×10^{-4} to 3×10^{-3}	50 to 900		4×10^{-3}	1000	

¹ Assume 1 year of breastfeeding and use ATSDR sub-chronic (2 weeks to 1 year) MRL.

² The background concentration of PCBs in breast milk assumed for the Housatonic River site was 0.32 mg/kg-lipid compared to the concentration of 24 mg/kg-lipid estimated for the generic example of 1 ppm PCBs in fish.